Form 3160-3 (May 1999)

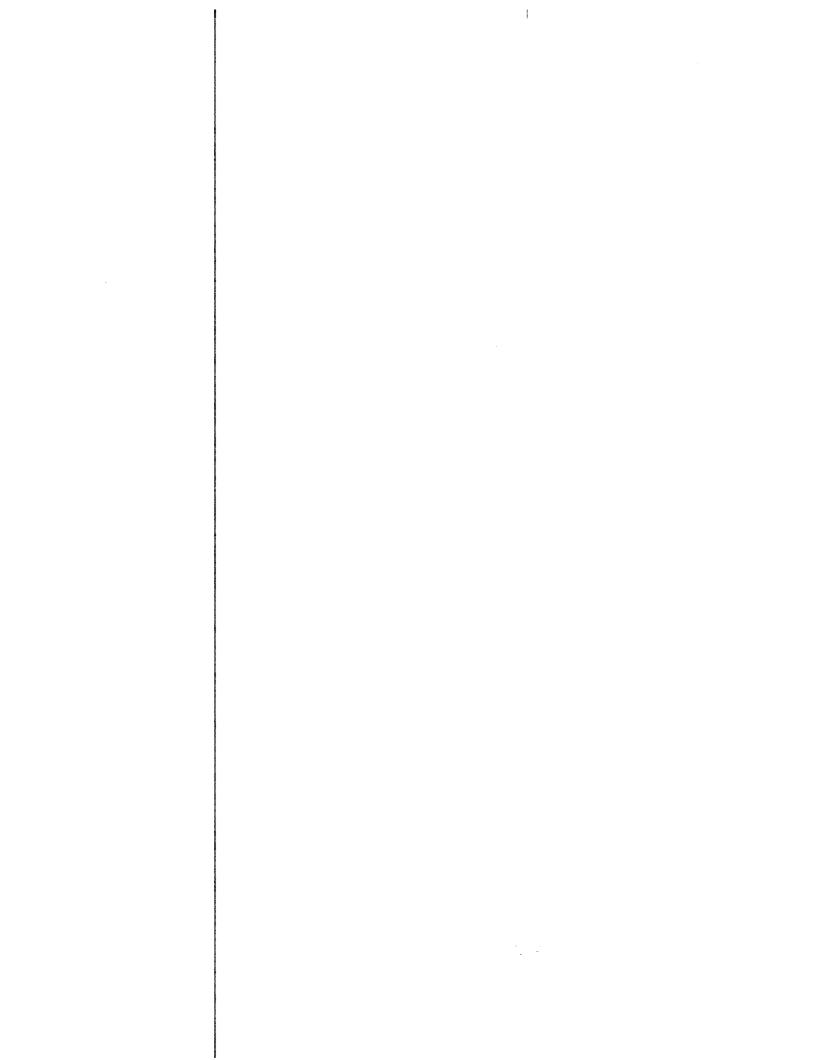
SUBMIT IN TRIPLICATE* (Other instructions on **UNITED STATES** reverse side)

FORM APPROVED

DEPARTMENT OF THE INTERIOR

OMB 1004-0136
Expires: May 31, 2000
5. LEASE DESIGNATION AND SERIAL NO.

ВОК	EAU OF LAND MAN	TO EITHE IT		SF 078707
APPLICATION FO	OR PERMIT TO DE	RILL, DEEPEN, O	R PLUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
TYPE OF WORK DRIL				7. UNIT AGREEMENT NAME
	_ <u></u>	_		240
TYPE OF WELL				8. FARM OR LEASE NAME, WELL NO.
OIL WELL	X OTHER	SINGLE ZONE	MULTIPLE 7	Starr #1B
NAME OF OPERATOR	— OTHER	ZONE —	ZONE E	9. API WELL NO.
Cordillera I	Energy, Inc.			30-045-31068
ADDRESS OF OPERATOR	7415 17 34 5 10 17	3.77.07.40.7	(505) 305 (1005)	10. FIELD AND POOL OR WILDCAT
o Walsh Engineering, A	(413 E. Main St. Fari	mington, NM 8/402	(505) 327-4892	Blanco Mesa Verde/ Basin Dakoto
		any State requirements.*)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
proposed Prod. Zone	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	B.	*** 1.	F Sec. 13, T31N, R13W
Same		P_{ij}	÷ î.	
DISTANCE IN MILES AND DIRECTIO		OFFICE-		12. COUNTY OR PARISH 13. STATE
	hwest of Aztec, NM			San Juan NM
DISTANCE FROM PROPOSED* LOCA OR LEASE LINE, FT (Also to nearest dr)		16. NO. OF ACRES IN LEASE	ı.	7. NO. OF ACRES ASSIGNED TO THIS WELL
660'		328	(W/2 320 acres
DISTANCE FROM PROPOSED LOCAT DRILLING, COMPLETED, OR APPLIE		19. PROPOSED DEPTH	20	0. ROTARY OR CABLE TOOLS
1450'	DIORON THIS ELEMEN, II.	685	0'	Rotary
ELEVATIONS (Show whether DF, RT, G	R, etc.)		·	22. APPROX. DATE WORK WILL START*
5728' GR	PROPOSED CAS	INC AND CENTERING	DD CCD 414	May 2002
SIZE OF HOLE	GRADE, SIZE OF CASING	ING AND CEMENTING WEIGHT PER FOOT	PROGRAM SETTING DEPTH	QUANTITY OF CEMENT
			DETTE OF THE	QUANTILI OF CEMENT
12-1/4"	9-5/8"	36# J-55	250' +/-	165 cu ft. Cl "B" w/ 2% CaCl 2
8-3/4"	9-5/8"	36# J-55 20# J-55	250' +/- 3930' +/-	165 cu ft. Cl "B" w/ 2% CaCl ₂ 1045 cu.ft. lead & 139 cu.ft. tail
8-3/4" 6-1/4"	7" 4-1/2"	36# J-55 20# J-55 11.6#, N-80	3930' +/- 6850' +/-	165 cu ft. Cl "B" w/ 2% CaCl ₂ 1045 cu.ft. lead & 139 cu.ft. tail 31/ cu.ft. lead & 196 cu.ft. tail
8-3/4" 6-1/4" ordillera Energy, Inc. pe above described location has been authoritied directly to you he wellpad, access road as held with the BLM o	7" 4-1/2" proposes to drill a vertion in accordance we rehaeologically surver office. d, and pipeline will be n 3/5/02.	36# J-55 20# J-55 11.6#, N-80 rtical well to developith the attached drile and the area are as a located on BLM subsection of the subsect	3930' +/- 6850' +/- p the Blanco Mesa Willing and surface use chealogical Service. urface land. An on-st	165 cu ft. Cl "B" w/ 2% CaCl 2 1045 cu ft. lead & 139 cu ft. tail 317 cu ft. lead & 196 cu ft. tail Verde and Basin Dakota formations as plans. Copies of their report have been ite inspection
8-3/4" 6-1/4" ordillera Energy, Inc. pe above described locathis location has been authorited directly to you the wellpad, access road as held with the BLM of this action is subject to technological review outsuart to and appeal nursuart to 43 CF ABOVE SPACE DESCRIBE PROP	oroposes to drill a vertion in accordance were decologically survey office. d, and pipeline will be a 3/5/02.	36# J-55 20# J-55 20# J-55 11.6#, N-80 rtical well to developith the attached drift eyed by La Plata Arc e located on BLM standard on BLM sta	3930' +/- 6850' +/- p the Blanco Mesa Willing and surface use chealogical Service. Unface land. An on-standard with ATTACHED ARE PLANCE WITH ATTACHED ARE PLANCE WITH ATTACHED ARE TO THE WITH ATTA	165 cu ft. Cl "B" w/ 2% CaCl 2 1045 cu ft. lead & 139 cu ft. tail 317 cu ft. lead & 196 cu ft. tail Verde and Basin Dakota formations at plans. Copies of their report have been ite inspection
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PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV P3 Box 2088, Santa Fe, NM 87504-2088

2653.86'

State of New Mexico Energy, Minerals & Natural Resources Depart

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

SEN MEXIC

ACTION SOFESSIONS

Certificate Number

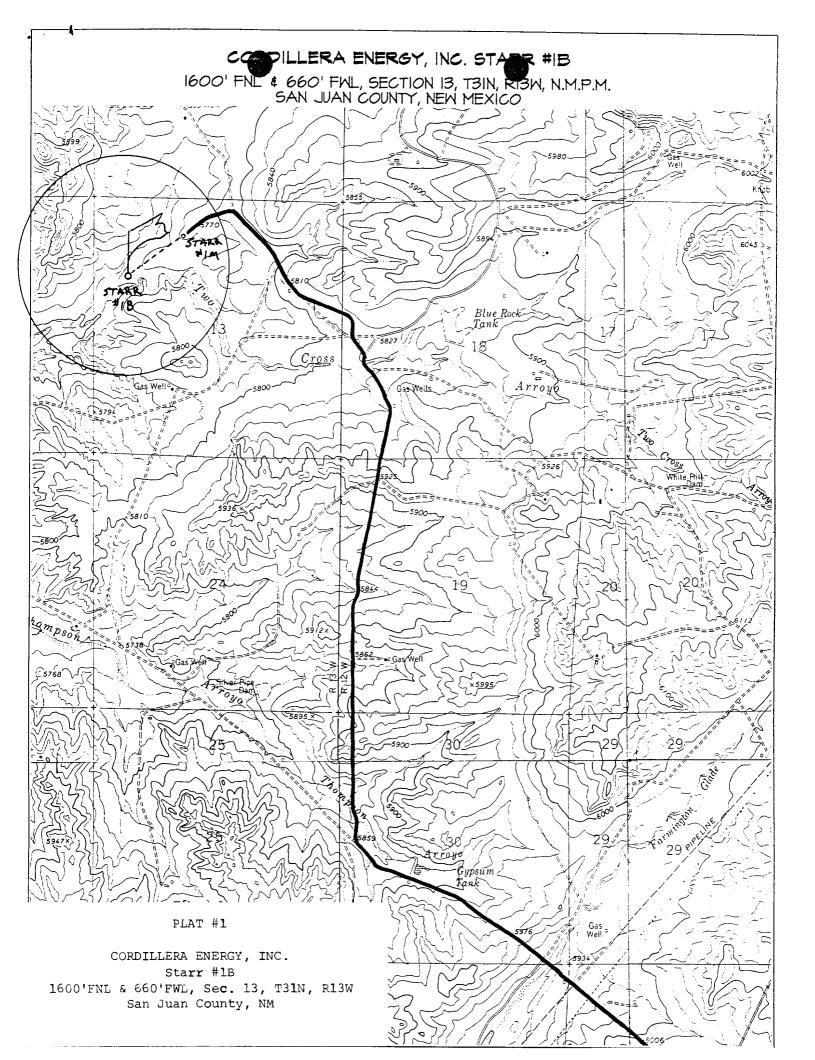
AMENDED REPORT

		l	WELL	LOCAT	ION AND A	CREAGE DED	ICAT	TION PL	АТ		
30-04	API Numbe	31068	723	*Pool Coo	i	BLANCO M	ESAV	'POOL Name		N DAK	COTA
Property Code					^a Property Name STARR				⁵ We	11 Number 18	
'OGRID No. 173252				CORI	*Operator Name CORDILLERA ENERGY, INC.				levation 5728'		
					¹⁰ Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Fee	et from the	East/We	est line	County
E	13		13W		1600	NORTH		660	WE	ST	SAN JUAN
		¹¹ Bo		Hole L	ocation]	f Different	Fro	im Surf	ace		
UL or lot na.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Fee	et from the	East/We	est line	County
¹² Dedicated Acres		.O Acres	- (W/	2)	13 Joint on Infill \widetilde{Y}	³⁴ Consolidation Code	¹⁵ Orde	r No.			
NO ALLOV	WABLE W	ILL BE AS OR A N	SIGNEC ION-ST) TO TH ANDARD	IS COMPLET] UNIT HAS B	ON UNTIL ALL EEN APPROVED	INTE BY 1	ERESTS H THE DIVIS	AVE BE	EN CON	ISOLIDATED
660'	<u> </u>	78707		13 -	262	26.14	5258.88.	I hereby contained to the base of a my superviand correct to the base of the base	certify to the rest of my C. Th Name t /02 EYOR certify the this plat are sized and the the rest of my	CERTI at the we was plotte that the best of m	FICATION Il location ed from field by me or under same is true y belief.
		† 1			Par Gore		4,				Y 23, 2002

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CORDILLERA ENERGY, INC. OPERATIONS PLAN Starr #1B

I. Location: 1600' FNL & 660' FWL Date: April 13, 2002

Sec 13 T31N R13W San Juan County, NM

Field: Blanco MV & Basin DK Elev: GL 5728'

Surface: BLM

Minerals: SF 078707

II. Geology: Surface formation _ Nacimiento

Α.	Formation Tops	Depths
	Ojo Alamo	325'
	Kirtland	1470′
	Pictured Cliffs	2005'
	Cliff House	3620 ′
	Menefee	3920 ′
	Point Lookout	4400′
	Dakota	6550 ′
	Total Depth	6850 ′

Estimated depths of anticipated water, oil, gas, and other mineral bearing formations which are expected to be encountered:

Water and gas - 3620'; gas - 2005', 3920', 4400', 6550'.

- B. Logging Program: Induction/GR and density logs at TD.
- C. No over pressured zones are expected in this well. No H_2S zones will be penetrated in this well. Max. BHP = 2500 psig.

III. Drilling

- A. Contractor:
- B. Mud Program:

The surface hole will be drilled with a fresh water mud.

The intermediate hole will be drilled with a fresh water polymer mud. The weighting material will be drill solids or if conditions dictate, barite. The maximum mud weight expected is 8.5 ppg.

The production hole will be drilled with air or air/mist.

Starr #1B Operations Plan Pg #2

C. Minimum Blowout Control Specifications:

Double ram type 2000 psi working pressure BOP with a rotating head. See the attached Exhibit #1 for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1000 psi.

The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

IV. Materials

A. Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
12-1/4"	250'	9-5/8"	36# J-55
8-3/4"	3930 ′	7"	20# J-55
6-1/4"	6850 ′	4-1/2"	11.6# N-80

B. Float Equipment:

- a) Surface Casing: Notched collar on bottom and 3 centralizers on the bottom 3 joints.
- b) Intermediate Casing: 7" cement guide shoe and self fill insert float collar. Place float one joint above shoe. Ten centralizers spaced every other joint above shoe and ten turbolizers every other joint from 1500'.
- c) Production Casing: 4-1/2" whirler type cement nosed guide shoe and a float collar on top of the bottom joint.

Starr #1B Operations Plan Pg #3

V. Cementing:

Surface casing: 9-5/8" - Use 140 sx (165 cu. ft.) of Cl "B" with 2% CaCl₂ (Yield = 1.18 cu. ft./sk; slurry weight = 15.6 PPG). 100% excess to circulate cement to surface. WOC 12 hours. Pressure test surface casing to 1000 psi for 30 min.

Production Casing: 4-1/2" - Blow hole clean. Precede cement with 20 bbls of gel water and 10 bbls of water. Lead with 160 sx (317 cu.ft.) of Premium Lite HS with 0.65% FL-52, 0.32% CD-32, $\frac{1}{4}$ #/sk celloflake, and 4% phenoseal. (Yield = 1.98 cu.ft./sk; slurry weight = 12.5 PPG). Tail with 100 sx (196 cu.ft.) of Premium Lite HS with 0.65% FL-52, and 0.32% CD-32. (Yield = 1.96 cu.ft./sk; slurry weight = 12.5 PPG). Total cement volume is 513 cu.ft. (70% excess to circulate 100' above the intermediate casing shoe).

Paul C. Thompson, P.E.

Paul C. Thomps -